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NPIC/R-175/65

May 1965

PHOTOGRAPHIC INTERPRETATION REPORT

DARIEN (LU-TA) SHIPYARD LU-TA, CHINA

DECLASS REVIEW by NIMA/DOD

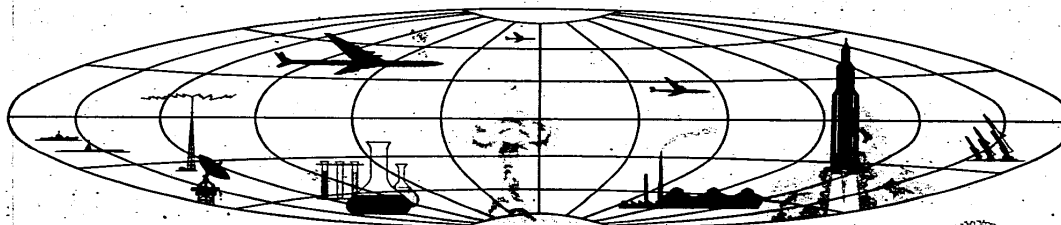


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DARIEN (LU-TA) SHIPYARD, LU-TA, CHINA

INTRODUCTION

This is one of a series of reports on Chinese Communist Shipyards and Port Facilities observed on aerial photography.

The Darien (Lu-ta) Shipyards is located on the northeast outskirts of Lu-ta, China, on the southern shore of Ta-lien Bay at 38-55-52N 121-38-20E (Figure 1). Lu-ta is also known as Ta-lien and Darien. This shipyard is listed in the Bombing Encyclopedia as Ta-lien Shipyards Port Arthur Darien [REDACTED]

25X1A

DESCRIPTION

The shipyard (Figure 2) is road- and rail-served, secured by a wall, and derives its elec-

trical power from a thermal electric powerplant located immediately south-southwest of the shipyard. Facilities include 3 building ways, 1 building area on a mole, 2 graving docks, 1 L-head pier, 9 piers, and 2 quayed areas for the fitting out of vessels. Vessels are moored to the piers in the NW section of the yard even though the entire area is quayed. Vessels are end launched from the 3 building ways and crane launched from the building area. Handling facilities include 4 tower hammerhead cranes and 6 tower jib cranes.

Significant construction activity during the period of photographic coverage used for this study [REDACTED] was that of a G-class SSB submarine on building way B3.

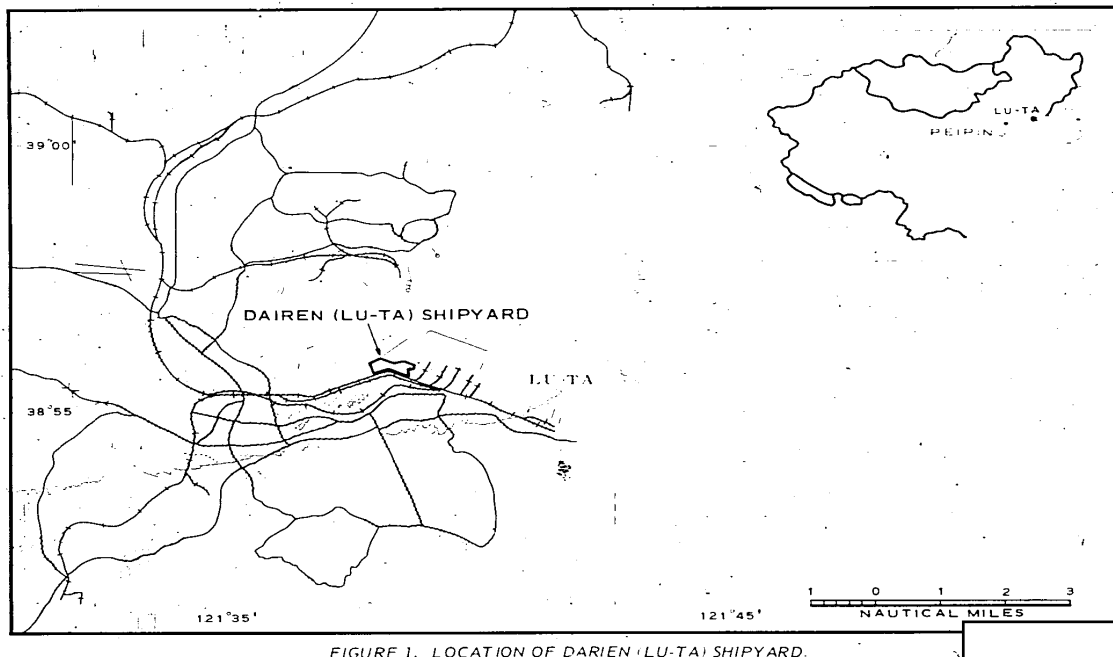
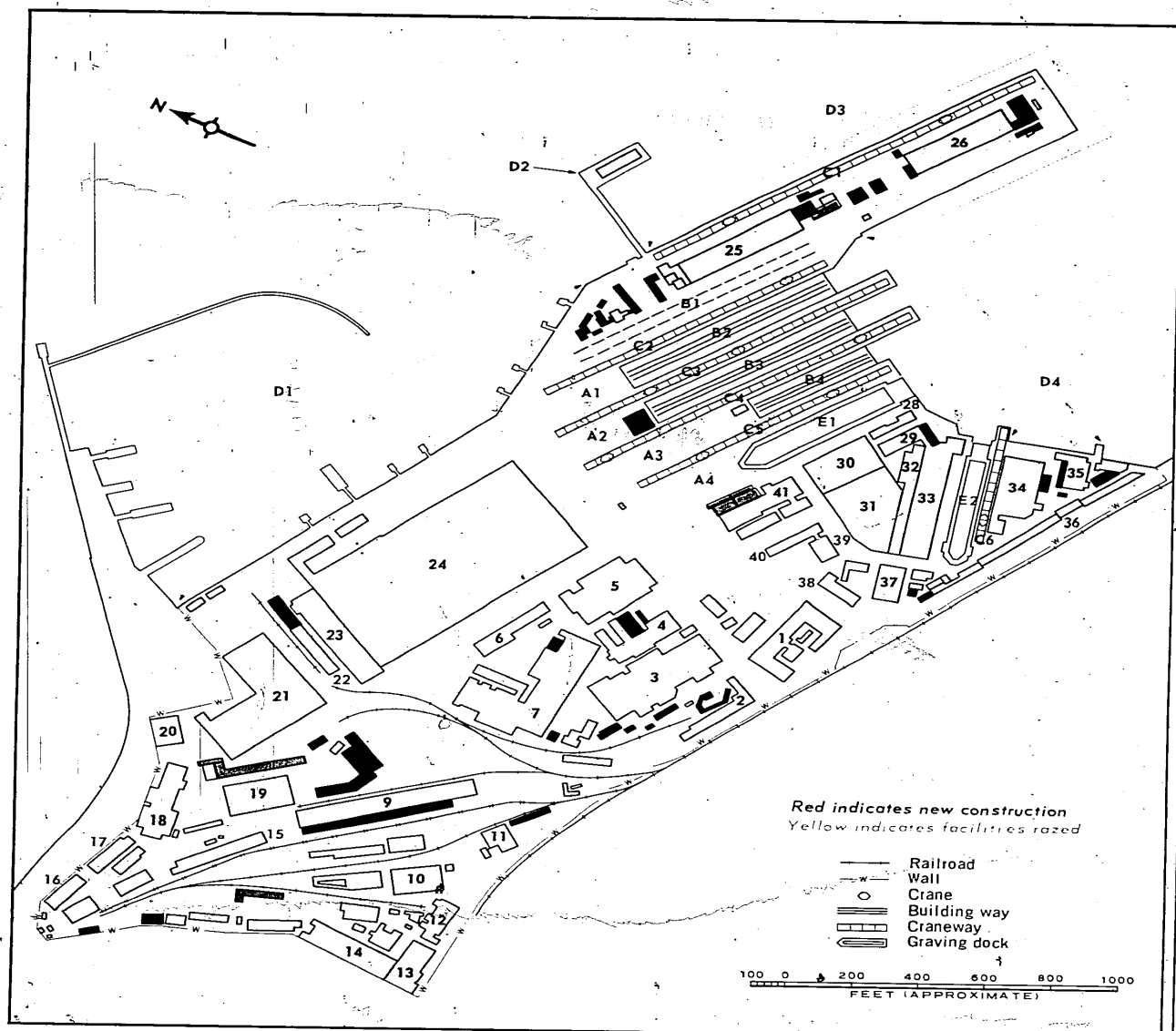


FIGURE 1. LOCATION OF DARIEN (LU-TA) SHIPYARD.

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Item	
1	Adm
2	Stor
3	For
4	For
5	For
6	Stor
7	Prob
8	Stor
9	Stor
10	Stor
11	Main
12	Main
13	Main
14	Main
15	Stor
16	Main
17	Main
18	Stear
19	Prob
20	Stor
21	Fabr
22	Stor
23	Prob
24	Fabr
25	Prob
26	Prob
27	Stor
28	Stor
29	Stor
30	Fabr
31	Mach
32	Prob
33	Possi
34	Fabr
35	Mach
36	Shop
37	Prob
38	Possi
39	Possi
40	Possi
41	Prob
A1	Open
A2	Open
A3	Open
A4	Open
B1	Build
B2	Build
B3	Build
B4	Build
C1	Crane
C2	Crane
C3	Crane
C4	Crane
C5	Crane
C6	Crane
D1	Quay
D2	L-Hea
D3	Appro
D4	Fitting
E1	Gravin
E2	Gravin

FIGURE 2. DARIEN (LU-TA) SHIPYARD, LU-TA, CHINA.

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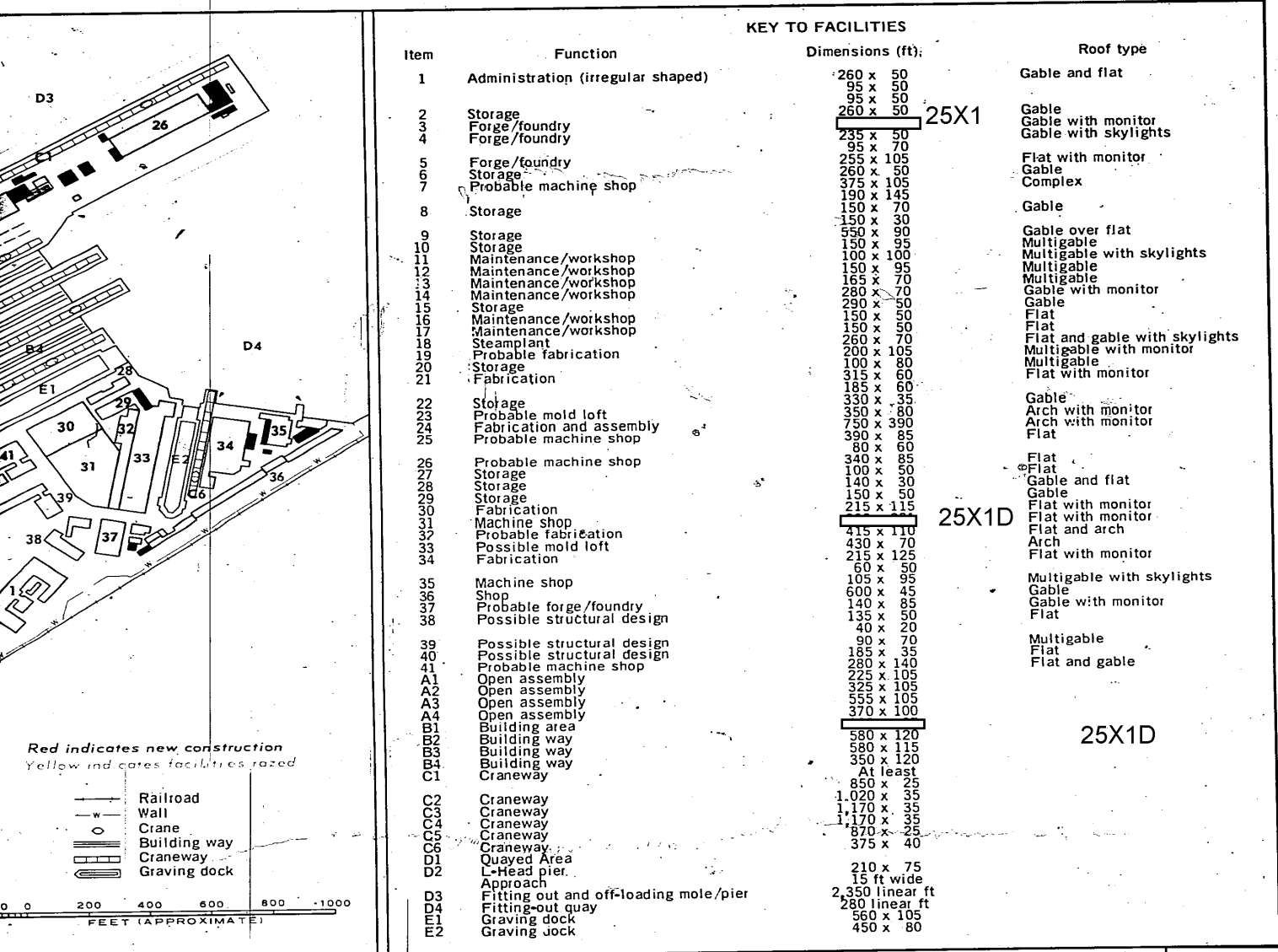


FIGURE 2. DARIEN (LU-TA) SHIPYARD, LU-TA, CHINA.

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25X1

4

25X1

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25X1D
25X1D
25X1D

A possible submarine was observed in an early stage of construction in [] and a G-class SSB was observed in an advanced stage of construction in []. [] a G-class SSB was observed at Lu-ta Port Facilities, immediately east of this shipyard. Vessels are listed in Table 2, which reflects a transition from predominately commercial to predominately naval activity dur-

ing the [] 25X1D
Photography of [] reveals minor changes in construction and razing and renovation of facilities. Photography of [] reveals the addition of one probable tower jib crane on craneway C1. Photography of [] reveals the removal of one tower hammerhead crane and the addition of one tower jib crane on craneway C3.

Table 1. Vessels (Keyed to Figure 2)

25X1D				25X1D			
Location	Identification	Size (Ft) Configuration Hatches	Status	Identification	Size (Ft) Configuration Hatches	Status	
B1	U I hulls (2)	70 x 20	U C	U I hulls (2)	70 x 20	U C	
B2	Merchant	550 x 80 KKFKK 6	U C	Merchant	550 x 80 KKFKK 5	U C	
B3	U I		Shed-covered	Possible SS		U C, Shed-covered security screens	
B4	Merchant	390 x 50 KFK 1	U C	Merchant	390 x 50 KFK 1	U C	
End of C1 Ends of C3 & C4				Tug			
				Floating Crane			
				Merchant (2)	190 x 60 KKFK 5	Fitting out	
				Merchant	435 x 60 KFK 4	Fitting out	
End of C5 End of C6	Lighters (2) Tug			Probable tug			
D1	Tug			Utility barge			
	Probable floating cranes (2)			Tugs (2)			
	Lighter			Utility barges (2)			
				Possible small tanker	125 x 20		
				U I (2)	130 x 25		
				U I (2)			
D3	Merchant	380 x 50 MFKM 1	Fitting out	Merchant	295 x 50 MFKM 1	Off loading	
				Merchant	435 x 45 KFK 1	Fitting out	
	Merchant (3)	435 x 60 KFK 5	Fitting out	Merchant	550 x 80 KKFKK 6	Fitting out	
	Merchant	550 x 80 KKFKK 6	Fitting out	Gordly-class ODD			
	Tugs (4)			Probable floating cranes (2)			
	Probable floating crane			Tug			
	U I (2)	70 x 20		Dredge			
	U I	40 x 10		U I (2)	70 x 20		

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25X1D

Table 1. Vessels (Keyed to Figure 2) Continued

25X1D				25X1D		
Location	Identification	Size (F) Configuration Hatches	Status	Identification	Size (F) Configuration Hatches	Status
D4	LST Possible OPF	345 x 55 230 x 30	Fitting out Repair	Probable tanker U I (3)	345 x 55 [REDACTED]	Fitting out
E1	Tug Merchant U I U I	135 x 60 MEM 4 [REDACTED]	Fitting out repair U C or re- pair U C or re- pair	Merchant U I U I	135 x 60 KRFKK 4 [REDACTED]	Fitting out U C or re- pair U C or re- pair
E2	Merchant U I hull	320 x 35 -- 4 120 x 20	U C U C	Possible OPF U I	230 x 30 120 x 20	Repair U C
25X1D				25X1D		
A1				MK-6-class LCM (8)		U C
B2	Shanghai-class Probable Shanghai- class PTF MK-6-class LCM (2) Tugs (2)		U C U C U C U C	MK-6-class LCM (2) Shanghai-class PTF (7) Tugs (2)		U C U C U C
B3	Possible G-class SSB		U C	G-class SSB		U C
B4	Merchant KEK 4	330 x 50	U C			
End of C3	Possible OPF U I	230 x 30 120 x 20	Repair U C	Possible OPF U I (2) Lighter	230 x 30 190 x 20	Repair Repair
Ends of C3 & C4	Tug Kronstadt-class PC (2) U I U I	[REDACTED]	Repair Repair		25X1D	
End of C5						
D1	Merchant MK-6-class LCM (8) Tugs (2) small tanker Utility barges (5) Lighter Floating crane U I (2) U I (2)	250 x 35 KEK 4 [REDACTED] 120 x 20 MF [REDACTED] 130 x 25 [REDACTED]	Fitting out	Tug Floating crane (3) Lighters (2) Utility barges (2)		
D2	Merchants (2) Merchant (4)	290 x 50 MEM 4 135 x 60 KFMK 4	Off loading Fitting out	Merchants (2) Merchant	290 x 50 MEM 4 385 x 60 KEK 4	

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Table 1. Vessels (Keyed to Figure 2) Continued

25X1D				25X1		
Location	Identification	Size (Ft) Configuration Hatches	Status	Identification	Size (Ft) Configuration Hatches	Status
D3	Merchant	550 x 75 KKFKK 5	Fitting out	Merchants (2)	435 x 65 KKFKK 5	Fitting out
	Merchant	230 x 40 MF		Merchant	540 x 80 KKFKK 5	
	Utility barges (3) U I (3)	70 x 20		U I	170 x 20	
D4	Floating crane	300 x 45 MF 4	Fitting out	Merchants (3)	450 x 60 KKFKK 5	
	Merchant	435 x 60 KKFKK 5	Fitting out	Lighter		
	Merchants (4)	435 x 60 KKFKK 5	repair			
E1	Merchant	435 x 60 KFMK 4	Fitting out	Merchant	430 x 65 MMFM 4	Fitting out
	U I		U C or repair	U I (2)		Fitting out
	U I		U C or repair			repair
E2	Possible OPF	230 x 30	Repair	Merchant	320 x 45	Repair
	U I	120 x 20	U C			
25X1D				25X1		
B1	Probable MK-6-class LCM (9)		U C			
B2	Shanghai-class PTF (8)		U C	Shanghai-class PTF (4)		U C
	Tug		U C	Tug		U C
B3	Shanghai-class PTF (3)		U C	Shanghai-class PTF (5)		U C
	Probable tugs (3)		U C	Tugs (4)		U C
	U I hull	70 x 25	U C			
	Tug		U C			
	U I hull	35 x 35	U C			
	Possible motorized crane boat	90 x 30	U C			
B4				Merchant hull sections (2)	95 x 35 (fwd) 120 x 35 (aft)	U C
End of C3				MK-6-class LCM (5)		Fitting out
End of C4				Lighter		
				Tug		
				U I (2)	75 x 15	
Ends of C3 & C4	W-class SS		Repair			
End of C5	Tugs (2)			Motorized crane boats (2)	90 x 25	Fitting out
	Motorized crane	90 x 30	Fitting out	Tugs (3)		
				Lighter		

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Table 1. Vessels (Keyed to Figure 2) Continued

25X1D				25X1D		
Location	Identification	Size (Ft) Configuration Hatches	Status	Identification	Size (Ft) Configuration Hatches	Status
D1	MK-6-class LCM (8)		Fitting out	Probable MK-6-class LCM (10)		Fitting out
	Probable MK-6-class LCM (2)		Fitting out	Possible LCVP (4)	60 x 15	Fitting out
	Small tanker	135 x 30		Small tanker	135 x 30	
	Probable floating crane			Motorized crane boats (3)	90 x 30	
	Lighter			Floating cranes (2)		
	Utility barges (2)			Lighter		
	Motorized crane boats (2)	90 x 30		Tug		
				U I (4)	70 x 10	
D3	Probable small tanker	190 x 35	Off loading	Gordiy-class ODD (3)		
	Merchant	KKFKK 5		W-class SS		Repair
	Floating cranes (3)			Shanghai-class PTE (4)		Fitting out
	U I	60 x 15		Floating dry dock	190 x 80	
	Utility barges (2)			Tugs (3)		
	Tugs (6)			Floating crane		
	Gordiy-class ODD (2)			Utility barge		
	Shanghai-class PTF		Fitting out			
D4	Gordiy-class ODD		Repair	Large tanker	350 x 50	Repair
	Merchant	135 x 60	Probable repair			
		KFK 4				
	Floating dry dock	190 x 80				
E1	Tug			Merchant	410 x 60	Repair
	Lighter			MFM 5		
E2				U I	120 x 25	Repair
				U I	90 x 20	Repair
				Small tanker	135 x 35	Repair

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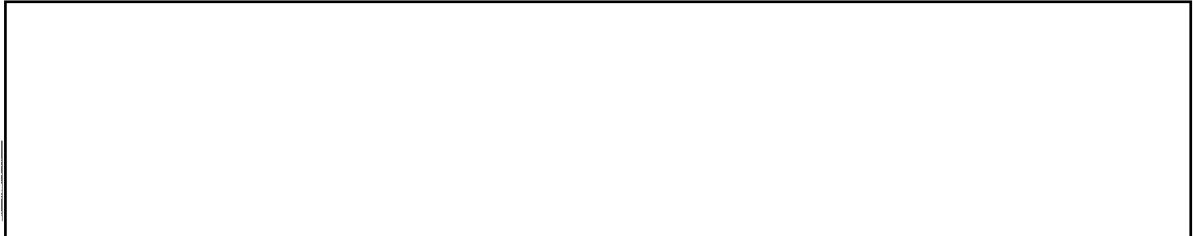
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REFERENCES

25X1D

PHOTOGRAPHY



MAPS

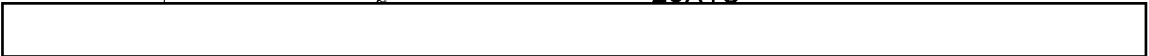
DIA. US Air Target Chart, Series 200, Sheet 0381-10HL, 2d ed, Aug 63 (SECRET)

ONI. Port Plan 21143, Jun 58 (SECRET)

DIA. Town Plan 39872, Apr 64 (SECRET)

DOCUMENTS

25X1C



REQUIREMENT



NPIC PROJECT

12037 64 (partial answer)

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